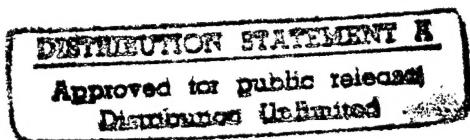


A LIMITED ENERGY STUDY OF  
HIGH TEMPERATURE AND CHILLED WATER DISTRIBUTION SYSTEMS  
AT FORT STEWART AND HUNTER ARMY AIRFIELD, GEORGIA

VOLUME III  
FIELD INVESTIGATION FORMS

FINAL SUBMITTAL



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September 6, 1996

6941331002

The logo for Forces Command features a circular emblem with a stylized eagle and crossed sabers. The word "FORCES COMMAND" is written in a circular arc at the bottom.	The logo for the 3rd Infantry Division Fort Stewart consists of four thick diagonal stripes.	The logo for the Savannah District Corps of Engineers depicts a stylized stone castle or fortification.	<b>RSH</b>
Forces Command	3rd Infantry Division Fort Stewart	Savannah District Corps of Engineers	Reynolds, Smith and Hills, Inc.

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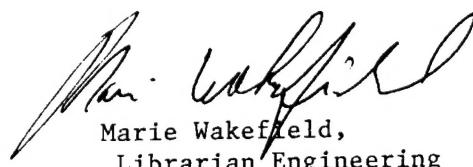


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**APPENDIX B FIELD INVESTIGATION FORMS**

**B.1 VALVE PIT VALVES AND FITTINGS SURVEY FORMS**

Valve Pit Zone - Number	HTW Leaks Observed					Sump Pump Repair Required	Pipe/Valve Missing Insulation	Additional Observations and Comments
	Main Valves	Drain Valves	Line Vents	Conduit Vents	HTW Piping			
VB-1-1	N	N	N	N	N	Y	N	
VP-1-1	N	N	N	N	N	Y	N	
VP-1-2	N	N	N	N	N	N	Y	
VP-1-3	N	N	N	N	N	N	N	
VP-1-4	N	N	N	Y	N	Y	N	
VP-1-5	N	N	N	N	N	N	N	
VP-1-6	N	N	N	N	N	Y	Y	
VP-1-7	N	N	N	N	N	N	N	
VP-1-8	N	N	N	N	N	N	N	
VP-1-9	N	N	N	N	N	N	Y	
DP-1-10	N	N	N	N	N	Y	N	
VP-1-10	N	N	N	Y	N	N	Y	
VP-1-11	Y	N	N	N	N	N	N	
VP-1-12	N	N	N	N	N	N	Y	
DP-1-13	N	N	N	Y	N	Y	N	
VP-1-13	N	N	N	Y	N	N	N	Pit leaking
VP-1-14	N	N	N	Y	N	Y	N	
VP-1-15	N	N	N	N	N	N	N	
VP-1-16	N	Y	N	Y	Y	Y	Y	Pit leaking
VP-1-17	N	N	N	Y	N	N	N	
DP-1-17/18	N	N	N	Y	N	Y	N	
VP-1-18	N	N	N	Y	N	N	N	
VP-2N/S-1	N	N	N	N	N	Y	N	
DP-2N-1	N	N	N	N	N	Y	Y	Pit leaking
VP-2N-2	N	N	N	N	N	Y	Y	
VB-2N-1	N	N	N	Y	N	Y	N	
VP-2N-3	N	N	N	N	N	N	N	Pit leaking
VB-2N-2	N	N	N	N	N	N	N	Conduit leaking
VB-2N-3	N	N	N	N	N	Y	N	Pit leaking
VP-2N-4	N	N	N	N	N	Y	N	
VP-2N-5	Y	N	N	N	N	Y	N	
VB-2S-1	N	N	N	N	N	Y	Y	Audible leak
VB-2S-2	N	N	N	N	N	Y	N	Pipes wet
VB-2S-3	N	N	N	N	N	Y	N	Pipes wet
VP-2S-1	N	N	N	N	N	Y	N	
VP-2S-2	N	N	N	N	N	Y	N	
VP-2S-3	Y	N	N	N	N	N	N	
VP-2S-4	N	N	N	N	N	N	N	
VP-2S-5	N	N	N	N	N	N	N	
VP-2S-6	N	N	N	N	N	Y	N	
VP-2S-7	N	N	N	N	N	N	N	
VP-2S-8	Y	N	N	N	N	N	Y	
VP-2S-9	N	N	N	N	N	N	N	
VP-2S-10	N	N	N	N	N	Y	N	
VP-2S-11	N	N	N	N	N	N	N	Elec. problem

Valve Pit Zone - Number	Leaks Observed					Sump Pump Repair Required	Pipe/Valve Missing Insulation	Additional Observations and Comments
	Main Valves	Drain Valves	Line Vents	Conduit Vents	HTW Piping			
VP-3-1	Y	Wet	N	N	N	Y	Y	Wet insulation
VP-3-2	N	N	N	Y	N	Y	N	
VP-3-2A	N	N	Y	Y	N	Y	Y	
VP-3-3	N	N	N	Y	N	N	N	
VP-3-3A	N	N	N	N	N	Y	N	
VP-3-4	N	N	N	N	N	Y	N	Wet insulation
VP-3-5	Y	Wet	N	N	N	Y	N	
VP-3-6	N	N	N	N	N	N	N	
VP-3-7	N	N	N	Y	N	N	N	Two trees in pit
VP-3-8	N	N	N	N	N	N	N	
VP-3-9	N	N	N	Y	N	N	N	
VP-3-10	N	N	N	Y	N	Y	N	Pit leaking
VP-3-11	Y	N	N	Y	N	N	N	Large pit leaks
VP-3-12	N	N	N	Y	N	N	N	Groundwater?
VP-3-13	N	N	N	N	N	Y	N	Groundwater?
VP-3-13A	N	N	N	Y	N	N	N	
VP-3-14	N	N	N	Y	N	N	N	
VP-3-15	Y	N	N	N	N	N	N	
VP-3-16	Y	N	N	N	N	N	Y	
VP-3-16A	N	N	N	N	N	N	N	
VP-3-17	N	N	N	N	N	N	N	
VP-3-18	Y	N	N	N	N	N	Y	
VP-3-19	N	N	N	N	N	Y	N	
VP-3-20	N	N	N	N	N	N	N	
VP-3-21	N	N	N	N	N	N	N	
VP-3-22	N	N	N	N	N	Y	N	
VP-3-23	N	N	N	N	N	Y	Y	
VP-3-24	N	N	N	N	N	Y	Y	
VP-3-24A	N	N	N	N	N	Y	Y	
VP-3-24B	N	N	N	N	N	N	Y	
VP-3-24C	N	N	N	N	N	N	N	
VP-3-25	N	N	N	N	N	N	N	
VP-3-25A	N	N	N	N	N	Y	N	
VP-3-26	N	Wet	N	N	N	Y	N	Wet insulation
VP-3-26A	N	- N	N	N	N	Y	N	
VP-3-27	Y	N	N	N	N	Y	Y	
VP-3-28	N	N	N	N	N	N	N	
VP-S-1	N	N	N	N	N	N	N	
VP-S-2	N	N	N	N	N	N	N	
VP-S-3	Y	N	N	N	N	N	N	Steam leak
VP-S-4	N	N	N	N	N	N	N	
VP-S-5	N	N	N	N	N	N	N	
VP-S-6	N	N	N	N	N	N	N	
VP-S-7	N	N	N	N	N	N	N	
VP-S-8	N	N	N	N	N	Y	Y	
VP-S-9	N	N	N	N	N	Y	Y	
VP-S-10	N	N	N	N	N	N	Y	
VP-S-11	N	N	N	N	N	N	Y	Pit leaking
VP-S-12	N	N	N	Y	Y	N	Y	
VP-S-13	N	N	N	Y	N	N	N	

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

---

---

---

6. Check drain valves and fittings from all HTW mains:

---

---

---

7. Check valves and fittings on HTW line vents:

---

---

---

8. Check for steam flowing from HTW conduit vents:

---

---

---

9. Water level in pit ≈ 10 inches. Sp not plugged in

10. Other observations or notes:

~ 1" pipes toward SW

- piping submerged, no visible leaks

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): JP-1-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

None : SW + SE

---

Vent from NW is plugged w/ screw plug

---

9. Water level in pit ≈ 1 inches. SP doesn't appear to work
10. Other observations or notes:

---

---

---

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

OK

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

None : NE, NW & SE

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

missing insul: ~ 3" pipe - 1 elbow & 3 LF

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit /; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

NA  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None: NE + SW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

No lines coming in from NW as shown on map  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-4
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

N<sub>Zone</sub>: NE, NW + SF

\* Slight steam flow + drip from both HTWS + HTWR vents to SW

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

- Sump pump on w/no water in pit

---

---

---

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit /; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-1-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ✓; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-6
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

N/A

8. Check for steam flowing from HTW conduit vents:

None : NE + SW

9. Water level in pit ≈ 6 inches. SP not working.

10. Other observations or notes:

missing insul: ~1" pipe - 6LF & 2 elbows

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): SP-1-7
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None : NE, NW & SE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 5 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-S
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

NA  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None : NE + SW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ✓; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

7. Check valves and fittings on HTW line vents:

N/A

---

---

8. Check for steam flowing from HTW conduit vents:

None NE

---

None SW

---

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

missing insl: 2 valves, ~4" dia pipe

---

---

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit ✓; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): SD-1-10
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

N/A

6. Check drain valves and fittings from all HTW mains:

N/A

7. Check valves and fittings on HTW line vents:

N/A

8. Check for steam flowing from HTW conduit vents:

None

9. Water level in pit ≈ 4 inches. SP not working

10. Other observations or notes:

---

---

---

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit /; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-10
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

slight steam flow <sup>+drip</sup> from HTW vent to SE  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 1/2 inches.

10. Other observations or notes:

missing insulation; ~8" pipe - 1 elbow  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit /; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): 12-1-11
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok *Valve stem tracking w/trap/250 ft from valve to NW*



6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None : NE, NW, SE = SW

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

also has small pipes HTW S+R to NW

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit /; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-12
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:  
Noise: NE, NW, SE + SW  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:  
Insal missing: ~ 2" pipe - ~ 6 LF toward NE  
\_\_\_\_\_  
also has ~ 2" HTW slip toward NE (Ext. Ctr.)  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-1-13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

NA

6. Check drain valves and fittings from all HTW mains:

NA

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

*Slight steam flow from vent - could be due to  
condensate line being submerged*

9. Water level in pit ≈ 10 inches. Spinot working?

10. Other observations or notes:

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ✓; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-12
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

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---

7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

- None : NW & SE

---

- Slight steam flow = drip from SW vent (tubing)

---

9. Water level in pit ≈ 1/2 inches

10. Other observations or notes:

drips (leaky) from SW vent + low HTW?

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit /; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-14
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

OK

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7. Check valves and fittings on HTW line vents:

NA

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8. Check for steam flowing from HTW conduit vents:

- None : NE, SE + SW

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- slight steam flow from NW vent (pipe on 2nd side)

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9. Water level in pit ≈ 2 inches. SP not working.

10. Other observations or notes:

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-15
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

NA

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8. Check for steam flowing from HTW conduit vents:

None : NE & SW

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---

9. Water level in pit ≈ -D- inches.

10. Other observations or notes:

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 /; 2N   ; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ✓; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-16
4. Mark location of pit/box and indicate pit/box number on site map.✓
5. Check valve stems, flanges and fittings at all HTW mains:

\* for Valve stem leaking steam and ~ 2-3 drops/sec HTW on  
HTW branch line (may be drain pipe)

6. Check drain valves and fittings from all HTW mains:

1  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

OK

\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

Leak steam from vent to NE (toward main HTW lines) same pipe  
that has leaking drain valve mentioned above.

Also has water leaking from conduit pipe entrance. (maybe GW) ~ 2 drops/sec

9. Water level in pit ≈ 3 inches. SP not working

10. Other observations or notes:

- missing insul: ~ 6" pipe - ~ 6 LF  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ✓; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-17
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

\* A small amount of steam from conduit vent to NE  
None : SE & SW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-1-17/13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

NA

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6. Check drain valves and fittings from all HTW mains:

\*\* HTW steam flowing from conduit vent to NE

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7. Check valves and fittings on HTW line vents:

NA

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---

8. Check for steam flowing from HTW conduit vents:

NA

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9. Water level in pit ≈ 12 inches. SP not working

10. Other observations or notes:

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-1-13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

---

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---

7. Check valves and fittings on HTW line vents:

OK

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8. Check for steam flowing from HTW conduit vents:

None; NE, NW,  $\frac{1}{4}$  SE - Nov '95

---

SE = drip + steam flow - Jan '96

---

9. Water level in pit  $\approx$  -0- inches.

10. Other observations or notes:

- Dead grass next to NE side of bldg R16  
- Surface temp. ( $\sim$  3-4" down) is  $83^{\circ}\text{F}$ , other areas of ground are  $\sim 67^{\circ}\text{F}$ . Temp. in crack of sidewalk was  $90^{\circ}\text{F}$ .

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1   ; 2N ✓; 2S ✓; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2115-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

OK

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

None NorthNone SouthNone main from plant

9. Water level in pit ≈ 6 inches. sump pump not working

10. Other observations or notes:

~5 drops/sec from South supply/return conduit?~1 drop / 7 sec from North, " " " probably ground water

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit ; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-2N-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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---

6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

None Northwest

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None South East

---

None North East

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9. Water level in pit ≈ 3 inches. SP not working

10. Other observations or notes:

- Not shown on map - has also has ~ 2" HTW

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supply + return to the north east.

---

~ Some insulation missing ~4 LF

---

- Steady flow of water ~ 0.25 gpm from conduit of NW pipe  
could be ground water, pit is near drain pipe

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N /; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit /; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): V.P-2N-2
4. Mark location of pit/box and indicate pit/box number on site map. /
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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---

7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

None NW

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" SE

---

" SW

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9. Water level in pit ≈ 4 inches. SP not working

10. Other observations or notes:

- ~1½" HTW S+R lines to South. west

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- insulation missing ~5'

---

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-2N-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

NW vent is hot w/ very light <sup>steam flow</sup> Not visible

SE " " cold no flow

9. Water level in pit ≈ 24 inches. Sp not working

10. Other observations or notes:

also has <sup>HTW</sup> S+R lines to SW

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

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7. Check valves and fittings on HTW line vents:

ok

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---

---

8. Check for steam flowing from HTW conduit vents:

None NW

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" SE

---

" SW

---

9. Water level in pit ≈ 0 inches.

10. Other observations or notes: <sup>ground water</sup>

\* ~1 drop / sec & audible tank sound near SE conduit  
steam / HTW

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Pit is near drainage ditch

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-2
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
No valves on mains so called this a valve box

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None: NW, SE, SU, NE  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

~ 1 drop/sec from NW conduit  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VB/DP-2N-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

No valves on mains. Air bubbles on maine

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None = NW & SE

Vent to NE conduit has screw plug in it

9. Water level in pit ≈ 8 inches. If not working

10. Other observations or notes:

→ ground leak from around conduit entrance to pit NW + NE  
very slow drip from each

Pit in drainage ditch

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-4
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

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7. Check valves and fittings on HTW line vents:

OK

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8. Check for steam flowing from HTW conduit vents:

None : SE, SW + NE

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9. Water level in pit ≈ 12 inches. *sp not working*

10. Other observations or notes:

very slight ground water leak around SW conduit

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
2. Type of Pit/Box: Valve Pit ✓; Drain Pit   ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

\* HTW/steam leaking from valve on main<sup>line</sup>, to NW distribution line (to bldg 1840) - leak can be seen and heard \*

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

NONE: SW, NE, NW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 6 inches. SP not working

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VL-2S-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None = NE & SW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 1 inches. SP not working - motor running but no flow
10. Other observations or notes:

- The contains ~1½" HTW toward SW

- Groud water dripping from around conduit to NE

- insulation missing ~5', insulation soaked ~6'

- Audible steam leaking, sound could not find



VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box \_\_\_\_ ?
3. Pit/Box Number (VP - #, DP - #, VB - #): \_\_\_\_\_ ?
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

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6. Check drain valves and fittings from all HTW mains:

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7. Check valves and fittings on HTW line vents:

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8. Check for steam flowing from HTW conduit vents:

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9. Water level in pit ≈ \_\_\_\_ inches.

10. Other observations or notes:

*Pit covered w/ solid metal cover and slanted off*

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S /; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box /
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-75-2
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:  
None from NW (only vent)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 18 inches. SP not working

10. Other observations or notes:  
~ Small HTW pipe to NW is only pipe visible  
through water; everything in pit is submerged  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-25-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

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6. Check drain valves and fittings from all HTW mains:

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---

7. Check valves and fittings on HTW line vents:

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---

8. Check for steam flowing from HTW conduit vents:

None from NW

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9. Water level in pit ≈ 18 inches. SP not working
10. Other observations or notes:

- same note as VB-25-2

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-23-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None : SW (vent line is hot)  
SE  
NW (vent line is hot)

9. Water level in pit ≈ 4 inches. SP not working.
10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-E-15-2
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
OK  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

OK  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

OK  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None : NE  
NW  
SE

9. Water level in pit ≈ 4 inches. Sump pump level arm is set too high
10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:  
very slight audible leak from valve stem.

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None = NE, NW, SE, SW

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-25-4
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None: NW, NE, SW, SE  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 10 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-22-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None: NE, SW, NW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-25-6
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:  
nk  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:  
~~None~~ None : NE, NW, SE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 3 inches. SP not working
10. Other observations or notes:  
Very slight anti-steambreak may be water flowing  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-75-7
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

None : EAE, WSW

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9. Water level in pit ≈ -0 inches.

10. Other observations or notes:

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-25-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

\* Valve stems leaking steam (very slight) on ~~HTW~~  
HTW supply and return main valves

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

None NE  
None SW

NW vent line is capped w/ screw plug

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

- has another ~ 1 1/4 str lines toward NW  
- insulation missing on ~ 2' of lines to NW

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): 18-75-9
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

None: NE, NW, SE, SW

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9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

also has HTW s+r toward the SW (~2" dia)

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-10
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None; NW, NE, SW, SE  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 12 inches. Sp not working

10. Other observations or notes:

also has HTW S&R lines to the NW  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-25-11
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

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---

7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

None: NW

---

None: SW

---

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

Electrical conduit for sump pump is broken where it enters  
the valve pit. Metal pit cover grating is rubbing  
against the electrical wire and scraping off the  
insulation. Shock hazard and should be fixed ASAP.

I put in work order at DPW.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

## HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): JPA-3-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

\* Steam / HTW Leak around insulation of HTW main valve  
Equiv. to small stream of water. Biggest leak seen yet. \*

6. Check drain valves and fittings from all HTW mains:

Some ok

Some under water

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

NF - None

SE - "

SW - "

9. Water level in pit ≈ 12 inches. SP not plugged in

10. Other observations or notes:

- missing insulation: 3 elbows + 2 LF

- some insulation under water

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2-2
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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---

7. Check valves and fittings on HTW line vents:

ok

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8. Check for steam flowing from HTW conduit vents:

\* NW - slight drip + vent pipe is hot (sw pipe)

SE - None

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9. Water level in pit ≈ 18 + inches. Sump Pump is on top of pit cover.

10. Other observations or notes:

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-2A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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7. Check valves and fittings on HTW line vents:

\*  
OK

1/17/96 slight steam flow from base of HTW line vent (SW pipe)

---

8. Check for steam flowing from HTW conduit vents:

X

SW - steady flow from vent of NW pipe (from mains)

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NE - vent closed w/ screen plug

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9. Water level in pit ≈ 18+ inches.

10. Other observations or notes:

missing insul.; 1 valve, 1 45° elbow ~3" pipe

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-3-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

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---

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7. Check valves and fittings on HTW line vents:

OK

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---

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8. Check for steam flowing from HTW conduit vents:



NW - steam flow (small) From CV of SW pipe

---

SW - None

---

SE - "

---

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-3A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

NA

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7. Check valves and fittings on HTW line vents:

NA

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8. Check for steam flowing from HTW conduit vents:

NA

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9. Water level in pit ≈ 12 inches. SP not working

10. Other observations or notes:

- Pit not on map

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- Stub outs only -For future use

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-4
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

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---

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7. Check valves and fittings on HTW line vents:

NA

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---

---

8. Check for steam flowing from HTW conduit vents:

NE - ok

---

SE - closed w/ screw plug

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9. Water level in pit ≈ 12+ inches. Sp not working.

10. Other observations or notes:

1 HTW pipe 1/2 way under water

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

— mains ok

— Valve stem to sft. b out headed NW is leaking HTW  
at ~ 1 drop / 10 sec + a little faster

6. Check drain valves and fittings from all HTW mains:

some ok

some under water

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

SW - None

SE -

NE -

9. Water level in pit ≈ 12 inches.

10. Other observations or notes:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-6
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

NW - NONE

SE - "

NE - "

9. Water level in pit ≈ 6 inches.

10. Other observations or notes:

Pit is not where shown on map - See markup

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-7
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
OK  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

OK  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

NA  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

SW - OK  
\* SE - very light flow and occasional drip from both HTW conduit vents heading SE  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

2 trees growing in pit  
\_\_\_\_\_  
\_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-3-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
OK  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:  
OK  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:  
NA  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:  
SW - None  
SE - 11  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0 inches.

10. Other observations or notes:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 /; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ✓; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

---

---

7. Check valves and fittings on HTW line vents:

OK

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8. Check for steam flowing from HTW conduit vents:

S - smaller amount of steam flow from eastern most pipe

E - steady steam flow from <sup>southern most</sup> pipe



9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-10
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

NA

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8. Check for steam flowing from HTW conduit vents:

\* W - small steam flow from southern most pipe

N - steady flow of steam occ. drip from western most pipe



9. Water level in pit ≈ 4 inches. SP works - adj. level control

10. Other observations or notes:

\* Steady stream of water leaking into pit from around  
conduit at North end of pit - can not tell if it is HTW  
or ground water. ~ 1/4 gal/min.

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): V4-3-11
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

~~= steam flowing from main valve of northern pipe at  
last wall of pit - equiv. to ~ 1/8" stream of water.~~

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

W - steady flow from both vents

E - slight flow from vent of southern pipe

9. Water level in pit  $\approx$  1/2 inches SP works

10. Other observations or notes:

~~About 1 gpm water is flowing into pit from around both  
boundaries at east end of pit. Flow may be higher - ground  
is soaked + there are puddles from the sump pump drain pipe~~

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-12
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None N and E  
~~X~~ Fair amount of steam flow from west vent (of south pipe)  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

N/A

8. Check for steam flowing from HTW conduit vents:

None NE & SW

9. Water level in pit ≈ 2 inches. Sp not working

10. Other observations or notes:

- Was leak fixed near here?

- Pipe temp on outside ~90°F and 125°F

- ground surface temp. at exp. loc. near here is ~ 88°F

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

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7. Check valves and fittings on HTW line vents:

NA

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8. Check for steam flowing from HTW conduit vents:

Occasional slight steam flow from SW vent (piped toward SE)

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9. Water level in pit ≈ 6 inches.

10. Other observations or notes:

- all chw + htw pipes enter from SW + leave from SE

---

~~- was tank fixed here?~~

---

~~- pipe temps at outside of tank~~

---

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-14
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

X Steam flow and drips from both NW vents (<sup>~1 drop / 7-10 secs</sup> slightly more from NE) None from SE vents

9. Water level in pit ≈ D inches.

10. Other observations or notes:

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-15
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

~~\* Flange of HTWR valve from is leaking. Steam leakage  
in very small continuous stream of 117 in.~~

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

NW - None

NE - "

SW - "

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-16
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
~~flange leaking at Hwy main valve (pipe toward E). eq  
to small rate stream of water in 2x more than valve VP-3-5~~ X

6. Check drain valves and fittings from all HTW mains:

OK

---

---

7. Check valves and fittings on HTW line vents:

OK

---

---

8. Check for steam flowing from HTW conduit vents:

None E + W

---

---

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

missing insulation on some valve if it is leaking

---

---

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2-16A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

N - NO conduit vent  
S - None  
W - None

9. Water level in pit ≈ D inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-17
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:  
E - None  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:  
stub out only, no end user yet  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

\* Flange <sup>HTW</sup> valve from South is leaking. Est. steam loss: \*  
to ~ 1 drop / sec.

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None - W, E + S

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

missing insulation: same valve that is leaking

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-19
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

No air NS, E + W  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 3 inches. SP not working. Adj. or change float
10. Other observations or notes:

HTW STEAM NS, E + W - diff. than shown on map  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): JP-3-20
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

6. Check drain valves and fittings from all HTW mains:

b/k

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

8. Check for steam flowing from HTW conduit vents:

N... N+S

---

---

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-21
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

OK  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

OK  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None S + W  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\* leaking sound from Mech. equip room of bldg 224.  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-22
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

~~ok~~

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

N - None

---

S - "

---

W - "

---

9. Water level in pit ≈ 2 inches. SP not working

10. Other observations or notes:

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HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-23
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

---

---

---

7. Check valves and fittings on HTW line vents:

NA

---

---

---

8. Check for steam flowing from HTW conduit vents:

NE - vent closed w/ screw plug

---

NW - None

---

SW - None

---

9. Water level in pit ≈ 3 inches. Sump pump not working - motor cycles on (~1 sec) + off (~3 sec). water is pumped.
10. Other observations or notes:

- insul missing: 1 elbow, 2 valves + ~ 3 LF of pipe

---

- pipes from NE, NW + SW - diff. elev. plan

---

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

SE - None

---

NE - "

---

9. Water level in pit ≈ 1 inches. adj. float?

10. Other observations or notes:

insul. missing from 1 main valve

---

---

---

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

SE - None  
NW - None  
SW - None

9. Water level in pit ≈ 1 inches.

10. Other observations or notes:

- This pit is not on map  
\_\_\_\_\_  
- missing insul: Main HTW line - 1 elbow + 2 valve  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

NW - None  
NE - "  
SW - "

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

- missing insul on 2 valves ~ 3" pipe  
- This pit not on map.

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24C
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

NW - N<sub>2</sub>ne

---

---

---

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

-This pit not on map

---

- stub outs only for future use

---

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-25
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

SW - None

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

Stub outs only - For future use

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-25A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

NW - None  
SE - "  
\_\_\_\_\_

9. Water level in pit  $\approx$  1/2 inches. adj. float on SP

10. Other observations or notes:

this pit not on map  
\_\_\_\_\_  
\_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): 1P-3-26
4. Mark location of pit/box and indicate pit/box number on site map. ↗
5. Check valve stems, flanges and fittings at all HTW mains:

OK

---

---

---

6. Check drain valves and fittings from all HTW mains:

two ok

---

---

---

two are under water

---

---

---

7. Check valves and fittings on HTW line vents:

NA

---

---

---

8. Check for steam flowing from HTW conduit vents:

SE - None

---

---

---

NW - "

---

---

---

9. Water level in pit ≈ 18 inches. SP not working.

10. Other observations or notes:

Some insul soaked due to high water level

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HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-26A
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

NE - None  
SW - None  
\_\_\_\_\_

9. Water level in pit ≈ 1 inches. adj. sp float ?

10. Other observations or notes:

This pit not on map  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-27
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

~~\* ~1 drop/sec is coming from insulation around HTW main valve near SW wall of pit, also slight visible steam from the same area~~

6. Check drain valves and fittings from all HTW mains:

OK

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

SE - None

SW - None

9. Water level in pit ≈ 18 inches. No sump pump or piping for sp

10. Other observations or notes:

insulation missing: 1 valve + 1 elbow of main

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-28
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

N - None  
S - "  
W - "

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-5-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

N/A

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---

6. Check drain valves and fittings from all HTW mains:

---

---

---

7. Check valves and fittings on HTW line vents:

---

---

---

8. Check for steam flowing from HTW conduit vents:

None

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---

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9. Water level in pit ≈ \_\_\_\_ inches.

10. Other observations or notes:

No valves on mains

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HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit ; Valve Box
3. Pit/Box Number (VP - #, DP - #, VB - #): VP/DP-06
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all <sup>Steam</sup> HTW mains:

Handwritten note: ok

6. Check drain valves and fittings from all <sup>Steam</sup> HTW mains:

ok

7. Check valves and fittings on <sup>Steam</sup> HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None = NE & SW

9. Water level in pit ≈ 0 inches.

10. Other observations or notes:

No valve on Steam main

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-7
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None = NW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

HTW not used, only stub outs for future use  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-5-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None: NE & NW  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

- sump pump on w/no water in pit - adj. level controls  
\_\_\_\_\_  
- missing ins'l: 9" pipe - 1 valve  
" " : 4" pipe - 1 valve  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Type of Pit/Box: Valve Pit \_\_\_\_; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

ok

---

---

---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

---

7. Check valves and fittings on HTW line vents:

ok

---

---

---

8. Check for steam flowing from HTW conduit vents:

None: NW + SE

---

---

---

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

- missing insul: 6" pipe - 1 flange & 1 valve

---

- Sump pump running with little or no water in pit - additional control

---

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-10
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

ok  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None NW  
None SE  
SW (in bldg 3202) vent is capped w/ screen plug

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

- missing insul: 6" pipe; 2 valves, 400 ft run  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-5-11
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

ok

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---

6. Check drain valves and fittings from all HTW mains:

ok

---

---

7. Check valves and fittings on HTW line vents:

ok

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---

8. Check for steam flowing from HTW conduit vents:

None : NW, NE, SW, SE

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9. Water level in pit  $\approx$  -0- inches.

10. Other observations or notes:

= missing insulation:  $1\frac{1}{2}$ " pipe: 3 flanges, 1 valve, ~5 LF

6" " : 1 valve

= groundwater tripping from <sup>around</sup> SW + NE conduit

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-12
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

OK

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6. Check drain valves and fittings from all HTW mains:

OK

---

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7. Check valves and fittings on HTW line vents:

OK

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---

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8. Check for steam flowing from HTW conduit vents:

Light steam-flow and drip from NW vent <sup>1/15sec</sup>

None : NE & SE

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9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

missing insulation on ~ 7 ft of pipe w/ 2 valves + 2 fittings

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VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Type of Pit/Box: Valve Pit ; Drain Pit \_\_\_\_; Valve Box \_\_\_\_
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-5-13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:  
ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Check drain valves and fittings from all HTW mains:

, lk  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Check valves and fittings on HTW line vents:

ok  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Check for steam flowing from HTW conduit vents:

None : SE, SW  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Water level in pit ≈ -0- inches.

10. Other observations or notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B.2 MECHANICAL EQUIPMENT ROOM SURVEY FORMS**

HTW Study		Mechanical Rooms Survey - Summary				Fort Stewart	
Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
206	3	Learning Center	80	DHW	Y	Y	Y
207	3	Dining Facility	124	DHW	Y	N	N
208	3	Fitness Center	113	DHW	Y	Y	N
211	3	Admin.	N/A	N/A	Y	Y	N
212	3	Admin/Barracks	131	DHW	Y	N	N
213	3	Barracks	120	DHW	Y	N	N
215	3	Barracks	137	DHW	Y	Y	N
216	3	Barracks	110	DHW	Y	Y	N
217	3	Admin.	N/A	N/A	Y	Y	N
218	3	Barracks	124	DHW	Y	N	Y
223	3	Admin.	N/A	N/A	Y	Y	N
224	3	Admin.	N/A	N/A	Y	Y	N
225	3	Admin.	N/A	N/A	Y	N	N
230	3	Tac Equip Shop	N/A	N/A	Y	N	N
241	3	Tac Equip Shop	N/A	N/A	Y	N	N
260	3	Tac Equip Shop	N/A	N/A	Y	N	N
270	3	Tac Equip Shop	N/A	N/A	Y	Y	N
276	3	Tac Equip Shop	N/A	N/A	N		
302	3	Hospital	137	DHW	Y	N	N
403	N/A	Child Care Ctr	N/A	N/A	Y	N/A	N
439	N/A	Fitness Center	139	DHW	Y	N/A	N
440	2	Dental Clinic	114	DHW	Y	N	N
501	2	Barracks	134	DHW	Y	Y	N
503	2	Barracks	122	DHW	Y	Y	N
504	2	Barracks	158	DHW	Y	Y	N
506	2	Admin.	N/A	N/A	Y	N	N
507	2	Admin.	N/A	N/A	Y	Y	N
508	2	Admin.	N/A	N/A	Y	N	Y
509	2	Admin.	N/A	N/A	Y	N	Y
512	2	Dining Facility	145	DHW	Y	?	Y
514	2	Barracks	126	DHW	Y	Y	N
515	2	Barracks	123	DHW	Y	N	Y
516	2	Barracks	145	DHW	Y	?	Y
517	2	Barracks	175	DHW	LOCKED		
518	2	Barracks	183	DHW	Y	?	Y
520	2	Admin.	N/A	N/A	Y	N	Y
521	2	Admin.	N/A	N/A	Y	Y	N
522	2	Admin.	N/A	N/A	Y	Y	N
523	2	Admin.	N/A	N/A	Y	N	N
524	2	Admin.	N/A	N/A	Y	N	N
525	2	Admin.	N/A	N/A	Y	Y	N

## HTW Study

**Mechanical Rooms Survey - Summary**

## Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
608	2	Fitness Center	127	DHW	Y	Y	N
610	2	Chapel	115	DHW	Y	N	N
612	2	Admin.	N/A	N/A	Y	Y	Y
614	1	Admin.	N/A	N/A	Y	N	Y
616	1	Admin.	N/A	N/A	Y	N	Y
617	1	Admin.	N/A	N/A	Y	N	N
618	1	Admin.	N/A	N/A	Y	N	N
619	1	Admin.	N/A	N/A	Y	N	N
620	1	Admin.	112	DHW	Y	N	N
621	1	Admin.	91	DHW	Y	N	N
622	1	Admin.	85	DHW	Y	N	Y
623	1	Admin.	109	DHW	Y	N	Y
624	1	Admin.	109	DHW	Y	N	Y
626	1	Dining Facility	145	DHW	Y	N	N
628	1	Admin.	N/A	N/A	Y	Y	N
629	1	Barracks	160	DHW	Y	?	Y
630	1	Barracks	117	DHW	Y	N	Y
631	1	Barracks	142	DHW	Y	Y	Y
632	1	Barracks	160	DHW	Y	N	Y
633	1	Barracks	128	DHW	Y	Y	Y
634	1	Barracks	LOCKED	LOCKED	Y	N	N
635	1	Barracks	140	DHW	Y	Y	N
636	1	Barracks	138	DHW	Y	Y	Y
637	1	Barracks	158	DHW	Y	N	N
638	1	Admin.	N/A	N/A	Y	N	Y
639	1	Admin.	N/A	N/A	Y	Y	N
640	1	Admin.	N/A	N/A	Y	N	N
641	1	Admin.	N/A	N/A	Y	N	N
642	1	Dining Facility	154	DHW	Y	N	Y
643	1	Admin.	N/A	N/A	Y	Y	N
644	1	Admin.	N/A	N/A	Y	Y	N
645	1	Admin.	N/A	N/A	Y	N	N
646	1	Admin.	N/A	N/A	Y	N	N
647	1	Admin.	N/A	N/A	Y	Y	N
648	1	Admin.	N/A	N/A	Y	N	Y
649	1	Admin.	N/A	N/A	Y	N	N

## HTW Study

**Mechanical Rooms Survey - Summary**

## Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
701	1	Health Clinic	152	DHW	Y	Y	N
702	1	Ent. Center	143	DHW	Y	N	N
703	1	Enl. Mens Club	N/A	N/A	LOCKED		Y
704	1	Theater	N/A	N/A	Y	N	Y
706	1	Branch Exchange	N/A	N/A	Y	N	Y
708	1	Fitness Center	131	DHW	Y	N	Y
710	1	Admin.	N/A	N/A	Y	N	Y
712	1	Barracks	135	DHW	Y	N	Y
713	1	Barracks	133	DHW	Y	N	Y
714	1	Barracks	137	DHW	Y	N	Y
715	1	Barracks	135	DHW	Y	Y	N
717	1	Barracks	131	DHW	Y	N	N
718	1	Barracks	124	DHW	Y	Y	Y
719	1	Barracks	112	DHW	Y	Y	N
720	1	Barracks	130	DHW	Y	N	Y
721	1	Admin.	N/A	N/A	Y	N	N
722	1	Admin.	N/A	N/A	Y	Y	Y
723	1	Admin.	N/A	N/A	Y	N	N
724	1	Admin.	N/A	N/A	Y	N	N
725	1	Admin.	N/A	N/A	Y	N	N
726	1	Dining Facility	158	DHW	Y	N	Y
727	N/A	Training Facility	N/A	N/A	Y	N/A	N
728	1	Admin.	N/A	N/A	Y	Y	N
810	1	Barracks	131	DHW	Y	N	N
811	1	Admin.	N/A	N/A	Y	N	N
812	1	Admin.	N/A	N/A	Y	N	N
813	1	Admin.	N/A	N/A	Y	N	N
814	1	Admin.	N/A	N/A	Y	N	Y
815	1	Admin.	N/A	N/A	Y	N	N
816	1	Admin.	N/A	N/A	Y	N	Y
818	1	Admin.	N/A	N/A	Y	N	N
819	1	Admin.	N/A	N/A	Y	Y	N

**HTW Study      Mechanical Rooms Survey - Summary      Fort Stewart**

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
1160	3	D.S. Maint Fac	N/A	N/A	Y	Y	N
1170	3	G.S. Maint Fac	N/A	N/A	Y	N	N
1208	1	Tac Equip Shop	N/A	N/A	Y	N	Y
1209	1	Tac Equip Shop	N/A	N/A	Y	N	N
1211	1	Tac Equip Shop	N/A	N/A	Y	N	N
1245	N/A	Tac Equip Shop	N/A	N/A	Y	N/A	Y
1259	1	Tac Equip Shop	N/A	N/A	Y	Y	N
1261	2	Tac Equip Shop	N/A	N/A	N		
1265	2	Tac Equip Shop	N/A	N/A	Y	N	N
1280	N/A	Tac Equip Shop	N/A	N/A	Y	N/A	Y
1320	2	Tac Equip Shop	N/A	N/A	Y	N	N
1330	2	Tac Equip Shop	N/A	N/A	Y	Y	N
1340	2	Tac Equip Shop	N/A	N/A	Y	N	N
1412		C. Energy Plant	N/A	HTW	Y	Y	
1500	3	Div Logis Fac	N/A	N/A	w/ 1509?		
1503	3	Auto Hobby Shop	N/A	N/A	LOCKED		
1509	3	Div Logis Fac	N/A	N/A	Y	Y	Y
1510	3	Tac Equip Shop	N/A	N/A	N		
1540	3	Tac Equip Shop	95	PW	N		
1720	2	D.S. Maint Fac	148	DHW	Y	N-N/A	N
1810	2	Tac Equip Shop	N/A	N/A	N		
1820	2	Tac Equip Shop	N/A	N/A	Y	N-N/A	N
1840	2	Tac Equip Shop	N/A	N/A	Y	N	Y
2115	1	Dental Clinic	N/A	N/A	Y	N	N
2125	1	Chapel	120	DHW	Y	N	N
3001	S	S. Energy Plant	N/A	N/A	Y	Y	
3002	S	Admin.	N/A	N/A	Y	Y	N
4502	S	Tac Equip Shop	N/A	N/A	N		
4528	S	Tac Equip Shop	N/A	N/A	N		
4577	S	Tac Equip Shop	N/A	N/A	N		
4578	S	Tac Equip Shop	N/A	N/A	N		
<b>TOTALS</b>			<b>140</b>		<b>127</b>	<b>42</b>	<b>41</b>

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 206
2. Building Name: TARO Learning Center (converted living hall)
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - Room Number: \_\_\_\_\_
  - Room Name: Mauris RunRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 80 °F

6. Other observations or notes:

- Hot water converter valve off  
CW pump leaking  
\* HTW's leaking steam and ~ $\frac{2}{3}$ cup / 2min from entrance  
to steam generator
- 
- 
- 
- 

INITIALS: PMA; DATE: 10/4/75

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 207
2. Building Name: Dining Hall
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mens RunRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 124 °F
6. Other observations or notes:  
Mech.Rm. - No Leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: JAF; DATE: 10/4/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 208
2. Building Name: Gym
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Main Locker Room #2

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 103 °F

6. Other observations or notes:

\* ~ 1 drop / 18 sec from HTW's valve where it goes  
to ht exchanger on the left.

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INITIALS: JRA; DATE: 10/4/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 211
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: HQ/Admin. Me PmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* HTWS valve stem leaking slow + about 3 drops /sec HTW , Value <sup>1</sup>/<sub>2</sub> just above floor where HTW enters pm.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 212
2. Building Name: Sewing School / Admin Converted Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D113
  - o Room Name: Restroom in Sewing RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 131 °F
6. Other observations or notes:  
Slow drain (sink)  
M.E. Rm. - No Leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: PA; DATE: 10/4/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 213
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D113
  - o Room Name: Janitor's ClosetRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 120 °F
6. Other observations or notes:  
M.E.Rm. - No Leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: CH; DATE: 10/4/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 215
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - Room Number: D-?
  - Room Name: Restroom-MaleRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 137 °F

## 6. Other observations or notes:

X Mech. Rm. : <sup>HW at</sup> Heat exchanger for HWG is leaking. HW  
badly; I took a 1 min sample, did not get all  
of leak in sample, other drips and steam present.  
Sample was ~1.5 cups/min

→ 12/1/95 this leak has been fixed.

INITIALS: WT; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 2162. Building Name: Barracks3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP   

4. Locate domestic hot water faucet:

o Room Number: D - ?o Room Name: Laundry Rm

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 110 °F

6. Other observations or notes:

Mech-Rm off.\* Heat exchanger flange at HWT is leaking at  
about 20 drops/secINITIALS: wth; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 217
2. Building Name: HQ Admin
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* Leaking valve on HTWR valve just above  
elevator to floor. ~1 drop / 3 sec  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 2182. Building Name: Barracks3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP   

4. Locate domestic hot water faucet:

o Room Number: D - ?o Room Name: Laundry Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 124 °F

6. Other observations or notes:

- Valve pit between 218 & 217 - Ok no leaks- DHW leaking badly at <sup>cold</sup> pump - in mech rm.INITIALS: wtt; DATE: 10-4

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 223

2. Building Name: Admin.

3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP   

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: mech \_\_\_\_\_

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* HTW's valve <sup>stem</sup> tank is located near door where HTW enters bldg. ~1 drop / 6 sec

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 224
2. Building Name: HQ / Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

~~✓~~ HTW leaking at heat exchanger - measured  
about 5<sup>2</sup>/<sub>3</sub> cups per minute + a fair amount of  
steam

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 225
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech Equip.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
M.E. Run. - No Leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 230
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 241
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 260
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No Leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 270
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mach EquipRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* ~11 drop/5 sec HTW leaking from valve above HTW entrance to room  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 302
2. Building Name: Hospital
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: DR#1F06
  - o Room Name: Mens Locker RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 137 °F
6. Other observations or notes:
  - Mixing valve is not working on DHw, should send 105° to bathrooms + 145° to kitchen.
  - HwG's (2) set ~ 140°F
  - Steam gen. vent ~ 55 psi steam
  - No HTW leaks in Bldg 350

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INITIALS: wtt; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 403
2. Building Name: Child Care Center
3. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_ N/A
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:
  - NG Hot water heater is NG fired hw boiler for HVAC
  - Condensate leak from CHW coil pan
  - AHU filters are very dirty
  - Map shows HTW lines but they do not come in the bldg.

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INITIALS: wjt; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 439
2. Building Name: Phy. Fitness Center
3. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S ; 3 \_\_\_\_; SEP \_\_\_\_ N/A
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 139 °F
6. Other observations or notes:  
- Natural gas Dhw & space heating  
- No water leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: mtl; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 440
2. Building Name: Dental Clinic #1
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 114 °F
6. Other observations or notes:  
1/17/96 - DHW has no leaks, temp gage reads ~  
116°F, no water from relief valve.  
Leak in HT ex. is not likely  

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INITIALS: RPA; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 501
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - Room Number: H153
  - Room Name: Men's RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 134 °F
6. Other observations or notes:

\*

Heat Run

HTW valve stem leaking ~1 drop / 3 sec - valve  
in line ~~between~~ between HWR + HVAC hf ex

INITIALS: MM; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 503

2. Building Name: Barracks

3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: D153

o Room Name: Men's Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 122 °F

6. Other observations or notes:

Medi Rm :

- HTW leaking at HWG heat exchanger Flange - leak measured at ~ 1/2 cup / 2 min
- HTWR flange leaking steam where it enters mech room (<sup>just</sup> above floor).

INITIALS: DA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 504
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - Room Number: D153
  - Room Name: Restroom - MensRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 158 °F
6. Other observations or notes:

water temp. started dropping after ~2 min

Valve pit next to 504 - no leaks; sump pump not working

Mech Rm - Shut off value for ~~htw~~ HTW return from DHWG is leaking - measured Leak Flow for ~1min in sample Isater ➡ 0.75cup/min

12/1/95

INITIALS: cwtt; DATE: 10-3

leak fixed

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 506

2. Building Name: Admin.

3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Equip

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

No HTW Leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 507
2. Building Name: Admin
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech EquipRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* HTW supply valve stem leaking ~ 1 drop/sec, just above floor where HTW enters room.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

**BUILDING HOT WATER GENERATOR SURVEY**

1. Building Number: 508
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Medi-Equip.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

No HTW Leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 509
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
Small chilled water leak.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 512
2. Building Name: DINING FACILITY
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: KITCHEN SINK NEAR MGR'S OFFICERun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 145 °F

## 6. Other observations or notes:

- 11 psi on REBoiler - 135 °F on Vertical tank
- \* - 1 3/4 cup / 90 sec. leak from HWC heat exchanger flange, water is not very hot, may be pot. water.
- Small stream of condensate leaking from "Tee" fitting behind condensate tank - not HTW,

INITIALS: GWF; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 514
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D - 7
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 126 °F
6. Other observations or notes:



Mech. Rm.

Flange at Hwg is leaking steam and ~ 1 drop / 4 sec HTW

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INITIALS: WTH; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 515
2. Building Name: Baracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D ?
  - o Room Name: Restroom-MensRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 123 °F
6. Other observations or notes:  
DHW circ pump is leaking - HW on blog. side  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: WTT; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 516
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - Room Number: D -
  - Room Name: Restroom

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 145+°F

6. Other observations or notes:

Mech Dm. *From top of tank intermittently*  
- HWG overflow leaking at  $\frac{1}{2}$  cup / 5 sec. gals/min  
Water temp is ~105°F

INITIALS: wth; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

517  
~~517~~

1. Building Number: \_\_\_\_\_
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D - ?
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 175 °F
6. Other observations or notes:  
- Mech. room locked, looked through window, valve closed  
no overflow. lock does not open with standard  
mech. rm. key. No leaks visible at HWG.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: WTH; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 518
2. Building Name: Barracks
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D 153
  - o Room Name: Restroom - MensRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 183 + °F

## 6. Other observations or notes:

~ 1/2 gpm of 190° + water flowing from  
the overflow of the HWG. Control valve  
read "closed".

~ 1/4 cup / 5 sec + some spillage (say 1/2 cup / min)

\* ~ 10d / 3 sec from HWG to x-Plane

INITIALS: wtt; DATE: 10-2

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 520

2. Building Name: Admin.

3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Small Chilled water leak

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 521
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* ~ 1 drop / 2 sec HTW leak from valve stem on  
HTWS where it enters the room.

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 522
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F

## 6. Other observations or notes:

\* ~ 1 drop / 4 sec HTW leak from valve stem on  
HTW supply line where it enters the room.

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 523
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Med. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

No HTW leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 524
2. Building Name: Admin.
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. EquipRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No HTW leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 5252. Building Name: Admin.3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* ~ 1 drop / 11 sec HTW leak from valve stem on HTWR line where it enters the room.Value crank is also broken off.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 608
2. Building Name: Gym
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: 1ST FLOOR men's RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 127 °F
6. Other observations or notes:

Mech. Room :

\* HTWR leak from control valve stem ~ 5d/min

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INITIALS: GWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 610
2. Building Name: Chapel
3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: 115
  - o Room Name: Restroom - MensRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 115 °F
6. Other observations or notes:  
Mech. Rm. has poor lock. - No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: WTT; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 6122. Building Name: Admin.3. HTW Zone No.: 1   ; 2N   ; 2S ✓; 3   ; SEP   

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* HTWA leak from control valve stem ~ 5d/min

- Bldg. side leak at circ. pump ~ 1d/min

- " " HW leak at valve ~ 1d/2min

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 614

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

AHU is leaking large amount of air

No water leaks

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 616
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- HVAC HW leak from relief valve on ht. ex. shell ~1d/min

- O.B. fan bearing on AHU is noisy

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 617
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mechanical Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
Door locked - Used knife  

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No leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 618
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Mech. Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

No leaks

AHU fan belts are loose

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 619
2. Building Name: Admin
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Medi. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 620
2. Building Name: 61 ADJUTANT GENERAL / INSTALLATION CHAPLAIN
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: 124
  - o Room Name: MAINT/BREAK RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 112 °F
6. Other observations or notes:  
2 HOT WATER TANKS - ONE IN SERVICE - ONE OUT OF  
SERVICE  

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INITIALS: GWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 621
2. Building Name: Dir of RESOURCE MGT / INT.REVIEW / FINNACE
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: FIRST FLOOR BREAK ROOM VIEWING MAST.
  - o Room Name:
- Run hot water for 1 to 2 minutes.
- Take sample of water.
- Mark building number on sample.
5. Take temperature reading of hot water: 91 °F
6. Other observations or notes:

BROKEN HASP ON DOOR

2 HOT WATER TANKS - ONE IN SERVICE - ONE OUT OF SERVICE. IN SERVICE HEATER IS VALVED OFF. OUT OF SERVICE HEATER IS MISSING TEMP CONTROL VALVE.

INITIALS: GWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 622
2. Building Name: Dir. of Contracting
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: 146
  - o Room Name: MEN's RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 85 °F

6. Other observations or notes:

HOT WATER SYSTEM OFF. CIRC. PUMP off.

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INITIALS: LWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 123
2. Building Name: ALCOHOL & DRUG ABUSE
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: — NO NUMBER
  - o Room Name: 1ST FLOOR Men's RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 109 °F
6. Other observations or notes:

2 HOT WATER TANKS - ONE OUT OF SERVICE - ONE  
IN SERVICE - CIRC PUMP LEAKING

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INITIALS: GWF; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 624
2. Building Name: VOLUNTEER Family Support Group
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 84 °F

## 6. Other observations or notes:

NO ACCESS TO MECH. ROOM - NO HOT WATER

M.R. locked - used knife

- No HTW leaks

- Condensate storage tank leak in corner ~5-10 d/sec

- Bldg. Side steam leak

INITIALS: GWF; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 126
2. Building Name: 1ST BCTC DINING FACIL.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP

4. Locate domestic hot water faucet:

- o Room Number: KITCHEN SINK
- o Room Name: \_\_\_\_\_

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 145° F

6. Other observations or notes:

10PSIG DRUM PRES - LEVEL IN GLASS. 1/2 FULL

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INITIALS: LWE; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 628
2. Building Name: Liberty Brigade - Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
- Electric DHW heater

\* - ~ 1 drop / 5 sec HTW leak from control valve  
on HTWR line from HVAC heat exchanger

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: '29
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Men's Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 160 °F

6. Other observations or notes:

Mech. Room:

- 211+ °F HW leaking from relief valve/drain on  
HVAC heat ex. shell ~ 1/2+ cup / 5 sec = 6 cup/min

- Small CHW leak where pipes enter floor

INITIALS: PA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 6302. Building Name: Barracks3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number:   o Room Name: Mech. Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 117 °F

6. Other observations or notes:

Mech. Rm. :- Hot water leak from relief valve/drain on shell of  
HVAC heat ex. ~2d /10 sec- Bldg. side Hw leak from air separator drain valve ~2d /5secINITIALS: JAA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 631

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

- o Room Number: D-7
- o Room Name: Restroom

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 142°F

6. Other observations or notes:

\* - 0.55 cup/min HTW from HWG control valve stem.

\* - 1/3 cup/min HTW from HWG heat ex. Flange.

- Also has water leak on HVAC side of ht. ex.

INITIALS: mtt; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 632
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D - ?
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.

Mark building number on sample.

160 +

160.2

5. Take temperature reading of hot water: 160.2 °F
6. Other observations or notes:

Washers running, restroom DHW pressure was very low - press.in laundry sink was good

Mech. Rm. no ~~any~~ HW leaks, insulation missing on about 4'x4' area of DHW generator.

Small potable water leak

INITIALS: WTH; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 633
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D-?
  - o Room Name: Laundry RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 128 °F

6. Other observations or notes:

\* ~ 2 drops / sec HTW from HWG ht. ex. flange, not  
too hot and no steam - may be pot. water.

- Leak on HVAC side of ht. ex. - relief valve is  
passing some water.

INITIALS: wtf; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 634
2. Building Name: Barnacks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: \_\_\_\_\_Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: \_\_\_\_\_ °F
6. Other observations or notes:  
Door locked to Laundry / Restroom area  
Mech. Room: No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: GAT; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 635
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 140 °F

6. Other observations or notes:

Mech. Room:

\* Steam and ~10 d/l7 sec. leaking from heat ex.

Flange on DHW generator

INITIALS: CPA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 636
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Laundry RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 138 °F

6. Other observations or notes:

Mech. Room:

\* HTWS leak from valve stem of 2nd valve after  
HTW enters floor. ~ 1d/5 sec + 1d/60 sec + some steam

- DHW leak from DHWG drain pipe ~ 10-20 d/sec

INITIALS: JFM; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 637
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech's RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 158 °F
6. Other observations or notes:  
Mech. Room - No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: RH; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 638
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

HVAC circ pump dripping at 2 flange connections  
~ 3 drops / 10 sec

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 639
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: \_\_\_\_\_ °F
6. Other observations or notes:

\* Steam and ~10 drops / 18 sec HTW leaking from 1st  
HTWS valve stem to HVAC ht. ex.

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 640
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

No leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 641
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 642
2. Building Name: Mess Hall
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 154° F

## 6. Other observations or notes:

Valve pit between bldgs 630 & 640; slight steam and drip from conduit vents (side facing #635)

Valve pit between 642 & 632, no steam or drips  
#pit next to 649 - no leaks

Mech. Rm - No major leaks of HTW or steam

DHW <sup>supply line</sup> leaking From top of DHWG tank ~ 5d/ser

Pit at north corner of #635 - no leaks

INITIALS: wtt; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 643
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* ~1 drop/10 sec HTW leak from HTWs valve stem  
at HVAC heat exchanger.

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 644

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Medi. Equip

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* ~ 1 drop / 3 sec <sup>HTW + steam</sup> leak from HTW valve stem

~ 1 1/8 cup/min leak from relief valve/drain  
line from HVAC heat. ex.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 645
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

No HTW leaks

No other tanks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 646
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No HTW leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 647
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Equip.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* ~ 1 drop / 5 sec leak from HTWS valve stem  
at HVAC heat exchanger.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 648
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
- Leak on HVAC hot water side - relief valve  
is passing some water  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 649

2. Building Name: Admin

3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Equip.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

No HTW leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 7012. Building Name: Health Clinic #13. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: \_\_\_\_\_

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 152 °F

6. Other observations or notes:

M.R. LOCKED → Used knife to get in\* 1d/s HTW leak from control valve stem\* Missing pipe insulationINITIALS: DR; DATE: 10/5/95

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 7022. Building Name: Sub Red Skins Club (Music / Ent. Center)3. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Men's Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 143 °F

6. Other observations or notes:

LockedNo leaksINITIALS: SPH; DATE: 10/3/75

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 703
2. Building Name: Enlisted Mens Club
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: \_\_\_\_\_Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: \_\_\_\_\_ °F

6. Other observations or notes:

- Mech. Room locked

- Noticeable natural gas leak at meter on  
east side of building

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 704
2. Building Name: Theatre
3. HTW Zone No.: 1 ; 2N ; 2S ; 3 ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: \_\_\_\_\_Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: \_\_\_\_\_ °F
6. Other observations or notes:

Elec. water heater

- Relief valve for chilled water is leaking  
- AHU Belts are loose  
- Lights tubes are burnt out

INITIALS: DRK; DATE: 10/3/75

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 706
2. Building Name: Branch Exchange
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- Bldg. side HW leak at circ pump shaft ~2-3 g/s

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 708
2. Building Name: Blitzpacks Gym /fitness center
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mens Locker RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

- No HTW leaks

- North LPHW heat ex. R.Valve leaking ~5 d/s

- Dhw storage tank R.Valve leaking ~1 cup/min

INITIALS: wjt; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 710
2. Building Name: Admin. / H.Q.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: \_\_\_\_\_Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- Chilled water leak ~ 2d/minute

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 712
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D-?
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 135 °F

6. Other observations or notes:

Valve pit between 712 & 717 - no leaks

" " " 717 & 720 - no leaks

Mech Room:

Slight leak from chilled water supply valve where pipe enters at floor

INITIALS: wth; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 713
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP

4. Locate domestic hot water faucet:

- o Room Number: D -?
- o Room Name: Restroom

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 133 °F

6. Other observations or notes:

Mech Room:

- Slight bldg. side leak from air separator tank drain  
valve; not HTW

INITIALS: wtt; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 714
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: D-7
  - o Room Name: Restroom - menRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 137 °F
6. Other observations or notes:

Mech. Room :

Slight leak from air separator drain valve; not HTW

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INITIALS: WTT; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 715
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:

- o Room Number: D-7
- o Room Name: Restroom / Storage

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 135 °F

6. Other observations or notes:

Mech. Rm.:

\* HTW leak from HTWR control valve at DHW Generator  
~ 1 d/5 sec

INITIALS: wtt; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 117
2. Building Name: Barracks (DISCOM)
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Ladies RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 131 °F
6. Other observations or notes:  
No leaks in Mech. Rm.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: JPA; DATE: 10/5/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 718
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Ladies RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 124 °F

6. Other observations or notes:

- Med. Room:
- 
- \* 1d/10 sec HTW leak from HTW's valve stem      ? where pipes enter @ floor
- \* " " " " HTW bypass valve stem
- ~1½ cup/min chilled water leak from control valve
- 
- 

INITIALS: ASL; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 719
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 112 °F

6. Other observations or notes:

Mech. Room :

\* ~ 1d /sec HTW leak from HVAC HTWR valve;  
2nd valve down stream from control valve

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INITIALS: JMA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 120
2. Building Name: Barracks
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 130 °F
6. Other observations or notes:

Mech. Rm:

Slight Dhw leak from relief valve on side  
of Dhw generator.

INITIALS: PA; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 721
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: mech Run.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: \_\_\_\_\_ °F
6. Other observations or notes:

No DHTW  
No HTW leaks  
No other leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 722
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F

## 6. Other observations or notes:

\* ~1 drop/sec HTW leak from bypass valve stem  
where pipe enters floor

~3d/s HTW & steam leak at circ. pump to air handler(s).

\* there is a control problem here or HVAC Ht.Ex. is leaking HTW. Bldg HW should not be hot enough to produce steam

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 723
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 724
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 725

2. Building Name: Admin

3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech Rm

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- Elec DHw

- No HTW leaks in HVAC system

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 726
2. Building Name: Mess Hall - DISCOM Dining Facility
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 158 °F

6. Other observations or notes:

Mechanical Room:

- Some bldg. side HW leaks at condensate return unit - next to steam generator

- Small DHW leak at DHW circ. pump next to DHW generator.

INITIALS: JH; DATE: 10/3/98

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 727
2. Building Name: Training Facility
3. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_ N/A
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: \_\_\_\_\_Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
Heat Pump space heat → No DHW & No HTW  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 728
2. Building Name: DISCOM - Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F

## 6. Other observations or notes:

Elec DHW Heater

Steam and ~ 2 drops /sec from HTWS valve stem  
Also ~ 1 drop / 20 sec HTW leak from HTW Bypass valve stem  
both valves above where HTW enters + leaves floor

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 8102. Building Name: Barracks3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP   

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Meis Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

Steam leak in valve pit West corner of bldg

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(1) NW Mech-Rm. : HVAC only - No leaks

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(2) SE Mech.Rm. : DHW Gen. only - No leaksDHWG heat ex: Richmond Engineering Co., Inc., Richmond, VAMfg. No. K56293, Year 1977, Des. Press = 400Head thickness = 0.219", Head radius = 2.1Shell " = 0.322", Tank dia = 8.625"Overall length = 61", National Board = 74236INITIALS: SPH; DATE: 10/3/95Max. working temp = 400 °F

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 811
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - Room Number: \_\_\_\_\_
  - Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 812
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: B13
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 814
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- HVAC circ. pump is leaking about 3d/s  
of bldg. side Hw.

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 815
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

No leaks

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 816
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
Bldg. side Hw leak from drain valve ~ 1d/min  
" " " " " packing ~ 6d /min  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 818
2. Building Name: Admin.
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 8192. Building Name: Admin.3. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* HTWR leak from valve packing ~ 4d/min\* HTW leak from bypass valve packing ~ 3d/min\* HTWS leak from valve packing ~ 1d/min

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INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1160
2. Building Name: D. S. Maint Facility
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mil EquipRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

\* Control valve on HTWR leaking steam and a little HTW, most evaporates before it trips

\* HTWR valve above floor is leaking ~ 1d / 30 sec

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1170
2. Building Name: G. S. Maint. Facility
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1208
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
~1d / 5sec from HVAC HT ex drain valve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1209
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1211
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RmRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 12452. Building Name: Tac Equip Shop3. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_ N/A

4. Locate domestic hot water faucet:

- o Room Number: \_\_\_\_\_
- o Room Name: Mech. Room

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- oil boiler for HVAC- Elec DHW heater- HVAC circ pump leaking + bearings sound bad.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1259
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* ~ 1/4 cup/min HTW leaking from HTW S  
Supply line <sup>shut off valve</sup> tapped off of line next to HTW  
entrance down to floor/rm  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1265
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1280
2. Building Name: Tac Equip Shop (Small, 3-Bay)
3. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_ N/A
4. Locate domestic hot water faucet:
  - Room Number: \_\_\_\_\_
  - Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Nat gas heating, electric DHW

Relief valve is dumping a lot of heating  
hot water <sup>~150°F</sup> down the drain

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1320
2. Building Name: Vehicle Maint.
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

- #2 Fuel oil boiler for space heating.  
Appears to have new water lines for new wing

1/13/96  
- old mech room has HTW w/ heat exchanger  
for space heating - No leaks

INITIALS: PA; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1230
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
\* 1d / 8 sec HTW from HTW's valve stem  
above entry at floor  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1340
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1503
2. Building Name: Auto Hobby Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

Closed Tues & Wed

Normal hrs 1300 -

Mon, Tues, Fri

Mech. Room locked - No access

INITIALS: JAA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1509
2. Building Name: DMM C
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

Steam from HTW conduit vent in pit behind  
this building - HVAC heating only?

1/17/96 slight chtw leak from bypass valve at floor entry

\* ~ 30 drops / 10 sec HTW leak from HTW return  
valve down stream from HVAC ht ex

~ 20cups/min AW leak from HVAC heat ex. relief valves  
INITIALS: wtt; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1510
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
No DHW, Heating only. Wash racks  
are using portable steam cleaners  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: wft; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1540
2. Building Name: Motor Pool / Tac Equip Shop
3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3 ✓; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Restroom

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: 95 °F
6. Other observations or notes:  
Electric Water Heater  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: CJA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1720
2. Building Name: D.S. Maintenance Facility
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number:
  - o Room Name: Rest roomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: 148 °F
6. Other observations or notes:

Slow to heat.

mech. Room

→ Nat Gas DHW

→ Oil fired Heating boiler

→ HTW capped off at entrance, pipes are cold  
so probably valved off at pit.

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INITIALS: RJA; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1820
2. Building Name: Tac Equip shop
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:

HVAC heat ex. valued off from HTW; A  
N-gas water header <sup>is now used</sup> For HVAC; there is a small  
    "    "    "    "    For DHW.

No leaks

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1340
2. Building Name: Tac Equip Shop
3. HTW Zone No.: 1   ; 2N ✓; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. Rm.Run hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.
5. Take temperature reading of hot water: N/A °F
6. Other observations or notes:  
HVAC (LTHW) circ pump is leaking  
No HTW leaks  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 2115
2. Building Name: Dental Clinic
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mech. RoomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Has two elec. HTW heaters

No leaks in Mech. Rm.

INITIALS: wth; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 2125
2. Building Name: Chapel
3. HTW Zone No.: 1 ✓; 2N   ; 2S   ; 3   ; SEP
4. Locate domestic hot water faucet:
  - o Room Number: \_\_\_\_\_
  - o Room Name: Mens RestroomRun hot water for 1 to 2 minutes.  
Take sample of water.  
Mark building number on sample.

5. Take temperature reading of hot water: 120 °F

6. Other observations or notes:

Also took potable (cold) water sample #2125-P

No leaks in Mech. Rm.

INITIALS: wth; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY1. Building Number: 30022. Building Name: Admin.3. HTW Zone No.: 1   ; 2N   ; 2S   ; 3   ; SEP ✓

4. Locate domestic hot water faucet:

o Room Number: \_\_\_\_\_

o Room Name: Mech. Rm.

Run hot water for 1 to 2 minutes.

Take sample of water.

Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- Elec. DHW
- \* fair amount + 0° F
- \* Steam flowing from HTWR flange above  
Floor entry
- \* ~12 drop/min HTW leak from HTWR bypass valve  
(control valve bypass line)

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

**B.3 CEP AND SEP SURVEY FORMS**

HTW Distribution System

Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 ; SEP \_\_\_\_
2. Suction Pressure: 180 psi
3. Discharge Pressure: 220 psi
4. Motor kW (Measured): PH1 = \_\_\_\_; PH2 = \_\_\_\_; PH3 = \_\_\_\_
5. Pump Nameplate Data:

DEAN BROTHERS PUMPS, INC., INDIANAPOLIS, INSIZE 4x6x10'1, MODEL R454, SERIAL 132508910 GPM, HEAD = 300 FT, RPM = 2300Control Panel reads 2010 RPM for pump P-23" " " 26 " " " P-24

→ Diff. pressure

6. Pump Motor Nameplate Data:

Lincoln, Dripproof, Frame - 404 TS, 125 hp, 230/460v  
60 hz, LINCOLN CODE TV-3421, 3 Phase, 3495 RPM,  
284/142 Amps, SF = 1.15, SERIAL # 2434710, INS = B,  
NEMA EFF = 89.5, Continuous, NEMA CODE=D, NEMA DESIGN=B  
BEARINGS: Radial = 6312, Thrust = 7312 BG

7. Leaks or other observations:

PEERLESS HYDROCONSTANT VARIABLE SPEED PUMP DRIVE,  
MODEL 2AM09A-361 25, SN # 405447

Backup pump links: 1 drop/3sec from discharge valve  
1 drop/1 sec from pump glands

INITIALS: WTT; DATE: 9-13-95

PUMP P-10 / P-11

HTW Distribution System

Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 \_\_\_\_; 2N ; 2S ; 3 \_\_\_\_; SEP \_\_\_\_
2. Suction Pressure: 145 psi
3. Discharge Pressure: 220 psi
4. Motor kW (Measured): PH1 = \_\_\_\_; PH2 = \_\_\_\_; PH3 = \_\_\_\_
5. Pump Nameplate Data:

DEAN BROS. PUMPS, INC.

SIZE = 3x4x8 1/2, model R434, S# 124895, Item #P11,  
370 GPM, 260 ft Head, 3500 RPM,  
Bearings = Radial 6309, Thrust 7309 BG

- Control Panel reads ~ 2670 RPM for pump P-11?
6. Pump Motor Nameplate Data: " " " 63.5 " " " P10?  
GOULD CENTURY MOTOR  
Part# 6-320821-01, FRAME = 324 TS, TYPE = SC  
50 HP, CODE = G, 60 HZ, 3 PH, 3540 RPM, 230/460 V,  
116/58 AMPS, Continuous, SF = 1.15, Form = MCA, INS = B,  
NEMA DESIGN = B, Serial Code = U9, CAT # 0609
  7. Leaks or other observations:

peerless variable speed drive

Leaks; steady (drip) stream from pump gland - P11

" " " " " " - P10

INITIALS: WTT; DATE: 9-13-95

HTW Distribution System

Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 ✓; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP \_\_\_\_
2. Suction Pressure: 177 psi
3. Discharge Pressure: 245 psi
4. Motor kW (Measured): PH1 = \_\_\_\_\_; PH2 = \_\_\_\_\_; PH3 = \_\_\_\_\_
5. Pump Nameplate Data:

DEAN BROS. PUMPS, INC., SIZE 4x6x10 1

MODEL R454, S# 121621, ITEM # P-4?,

900 GPM, 300 FT head, 3500 RPM

Bearings: Rad = 6312, Thrust = 7312 BG

rev? 17? 514?

Diff press = 64.7 or 55.0

6. Pump Motor Nameplate Data:

RELIANCE, FRAME = 365 TS, TYPE = P, INS. CLASS = B, 100 HP,

3540 RPM, DESIGN = B, CODE = F, 460 V, 120 A, 60 Hz

SF = 1.15, CONTINUOUS, ID # P 36G72C-GH - SB

7. Leaks or other observations:

PIERLESS VARIABLE SPEED DRIVE,

Leaks: 1 drop / 4 sec from pump gland of P-4

INITIALS: WTT; DATE: 9-13-95

SATELLITE ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 \_\_\_\_; 2N \_\_\_\_; 2S \_\_\_\_; 3 \_\_\_\_; SEP
2. Suction Pressure: \_\_\_\_\_ psi
3. Discharge Pressure: 210 psig
4. Motor kW (Measured): PH1 = \_\_\_\_\_; PH2 = \_\_\_\_\_; PH3 = \_\_\_\_\_
5. Pump Nameplate Data:

Mfg. by Dean Bros.; Size : 4x6x10 / R 454

Serial No: 142716; 885 GPM; 300 Ft Hd, 3500 RPM

Sp. Gravity = 0.859

SPEED REDUCER: Mfg by Peerless

output shaft speed = 310 RPM

6. Pump Motor Nameplate Data:

Frame: 404 TS

HP: 125

Volts: 230/460

Amps: 284/142

S. F.: 1.15

Speed: 3495 RPM

7. Leaks or other observations:

Pump need insulation

Pump disc. press = 210 psig

Pump inlet temp = 380 °F

INITIALS: GF; DATE: \_\_\_\_\_



# Dean Pump Division

PO. BOX 68172, INDIANAPOLIS, IN 46268-0172, (317) 293-2930.

FAX (317) 297-7028 MARKETING/ENGINEERING

## FACSIMILE MESSAGE COVER SHEET

DATE: 9-15-95TO: BILL TODD  
R.S. & HFROM: JEFF FISHELTHIS MESSAGE IS: ROUTINE  URGENT  PAGES (4)

Bill,

HERE ARE CURVES,

CALL WITH QUESTIONS,

BEST REGARDS,

JEFF FISHEL

09/15/95

11:59

8317 297 7028

DEAN PUMP DIV.

004/004

ESTABLISHED 1869

**DEAN BROTHERS PUMPS INC.**  
INDIANAPOLIS INDIANA

CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R-40100-A1

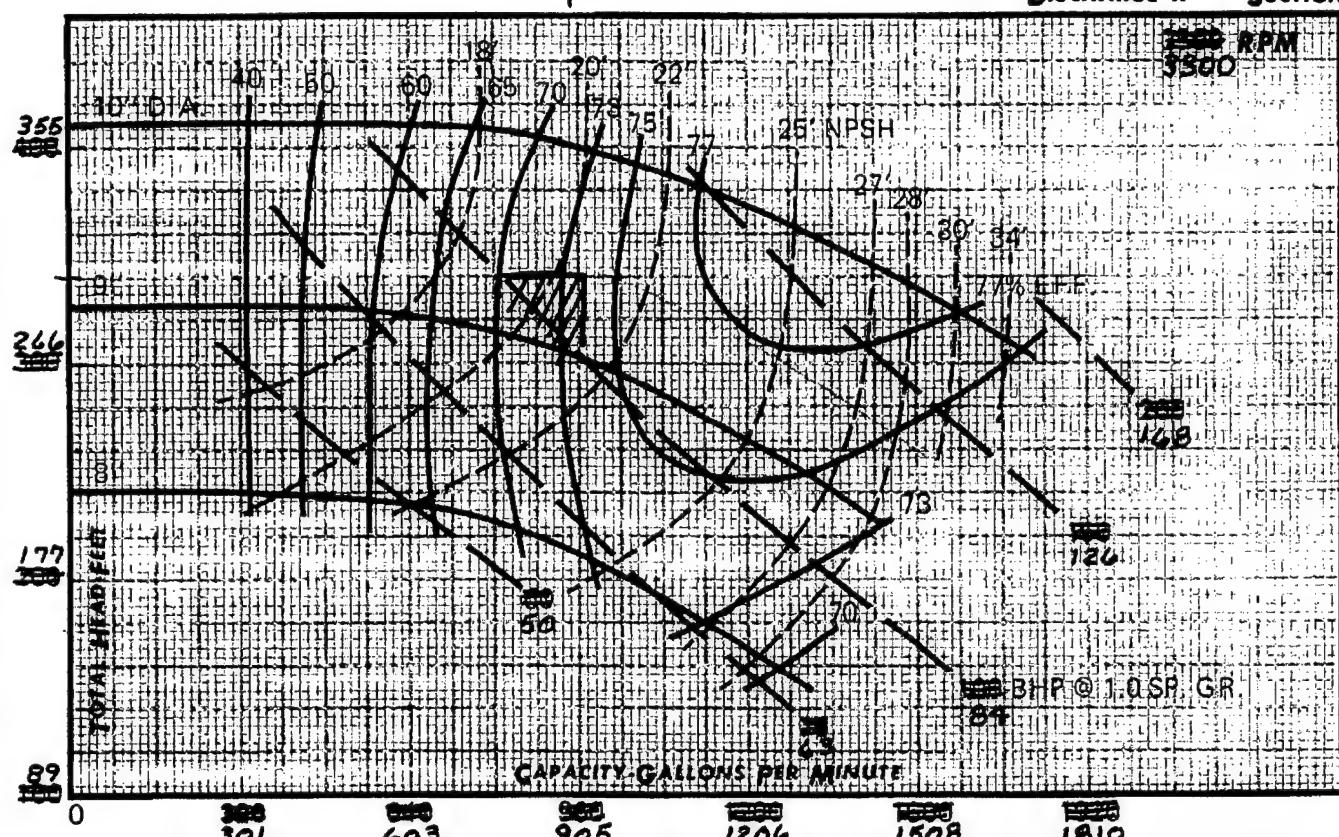
SPECIAL

PUMP SIZE: 4" x 6" x 10"

PUMP TYPE: R454

4" DISCHARGE X 6" SUCTION

**PUMP PERFORMANCE:** This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.



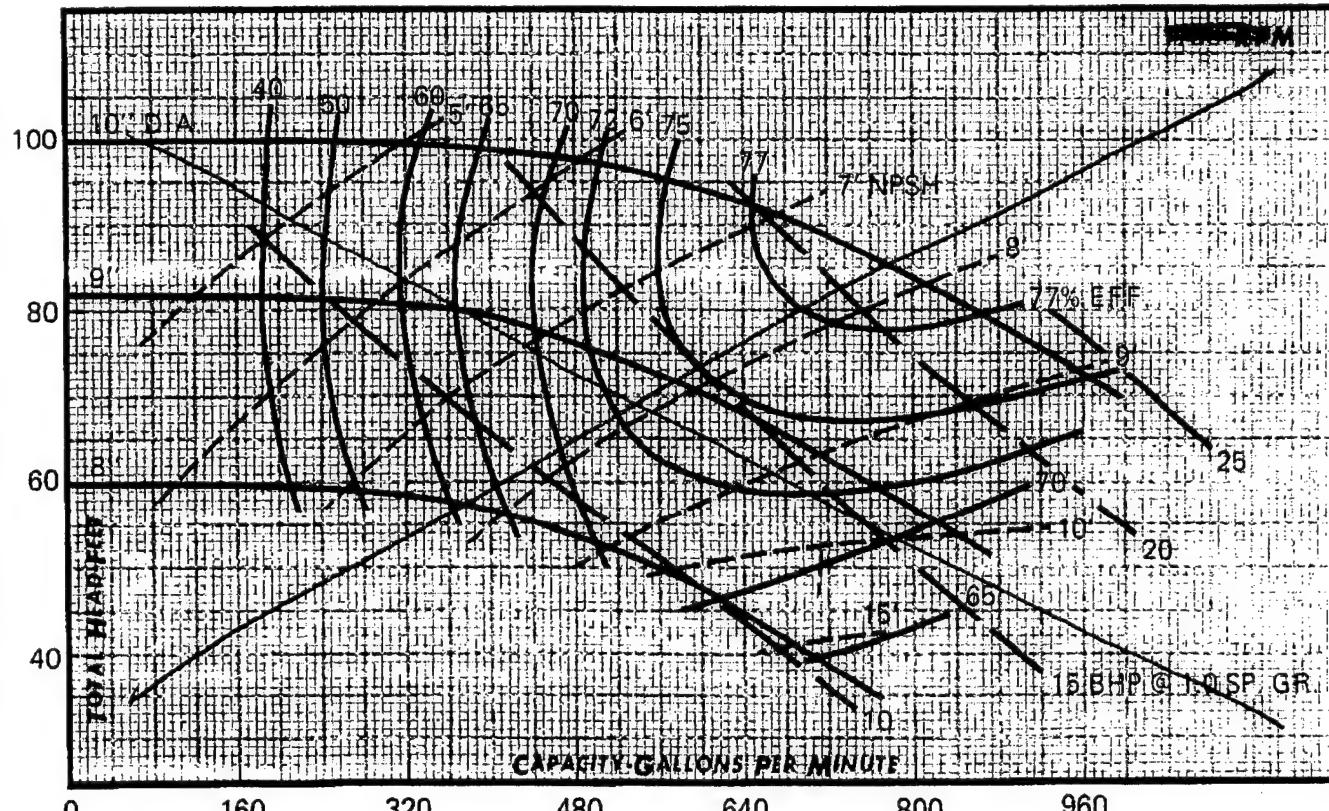
CUSTOMER PYE-BARKER SUPPLY CO.

CUSTOMER'S ORDER No. 10811

DEAN BROTHERS PUMP SERIAL NO. 132507-8

ITEM No.

FACTORY ORDER NO. 19219



APPROVED BY J.W.R.

DATE ISSUED 12/30/75

CURVE R-40100-A1

09/15/95 11:52 317 297 7028

DEAN PUMP DIV.

002 004

ESTABLISHED 1869

**DEAN BROTHERS PUMPS INC.**  
INDIANAPOLIS INDIANA

## CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE

R-40100 A1

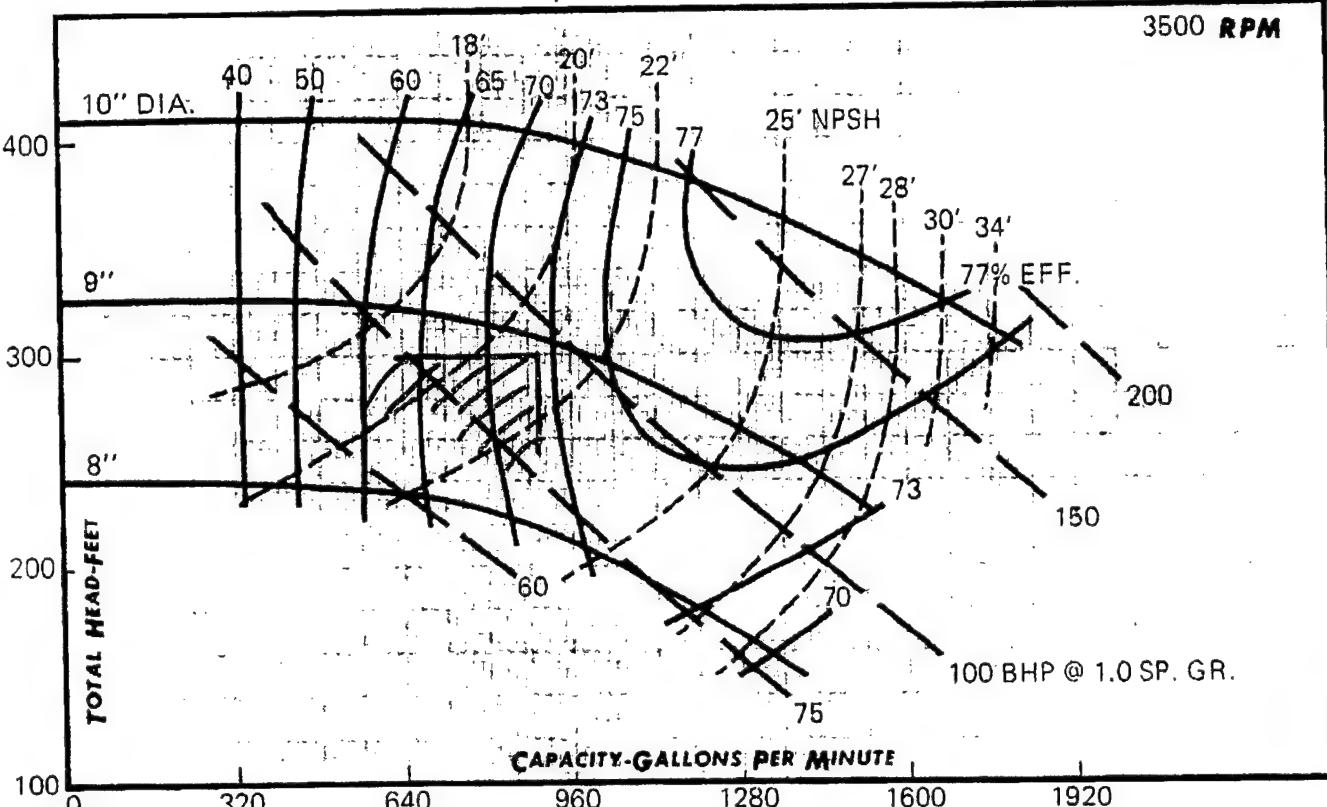
PUMP SIZE: 4" x 6" x 10"

PUMP TYPE: R454

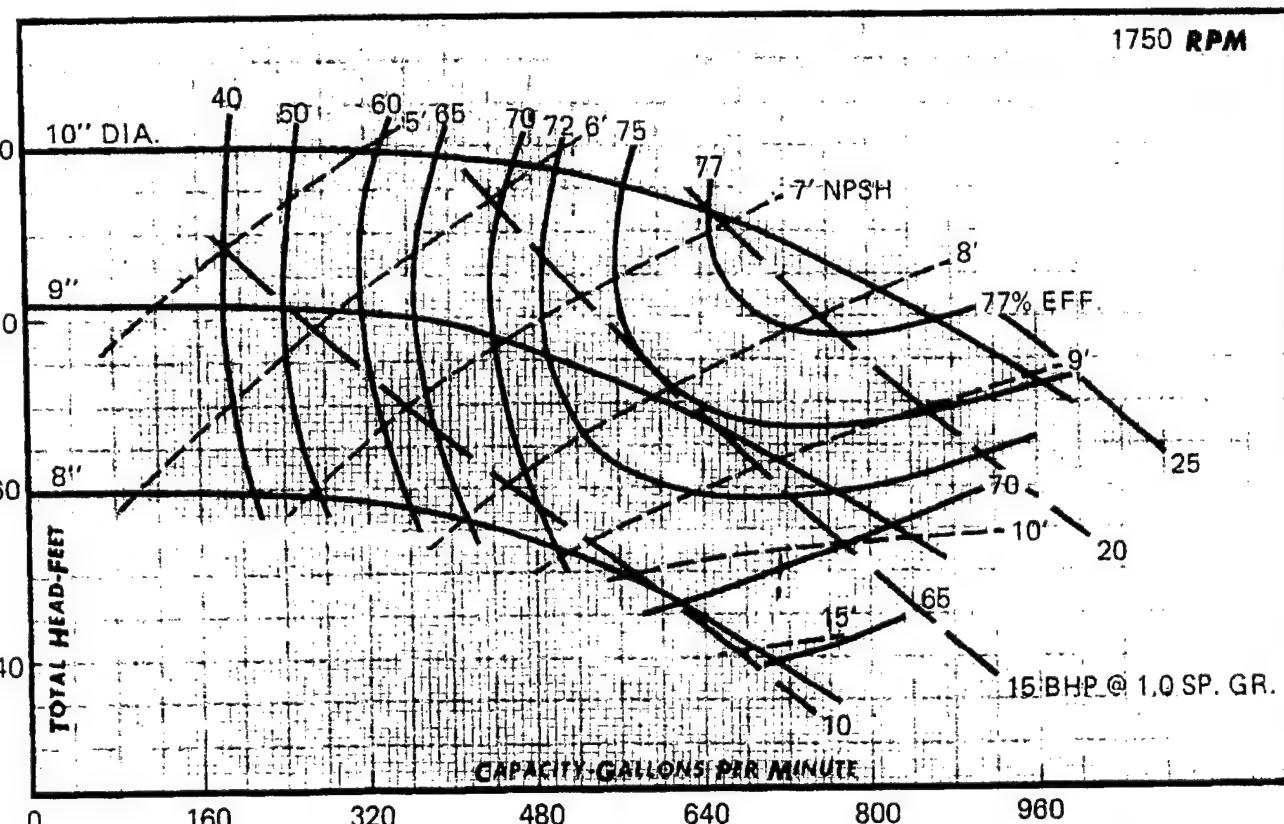
4" DISCHARGE X 6" SUCTION

3500 RPM

PUMP PERFORMANCE: This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.



CUSTOMER E.D. GREEN Corp  
 CUSTOMER'S ORDER NO. X5-012776 ITEM No. P44 P-5  
 DEAN BROTHERS PUMP SERIAL NO. 1216252 FACTORY ORDER NO. 10006



APPROVED BY J.W.R.

DATE ISSUED 12/30/75

CURVE R-40100-A1

09/15/95

11:53

317 297 7028

ESTABLISHED 1869

**DEAN BROTHERS PUMPS INC.**  
INDIANAPOLIS INDIANA.

DEAN PUMP DIV.

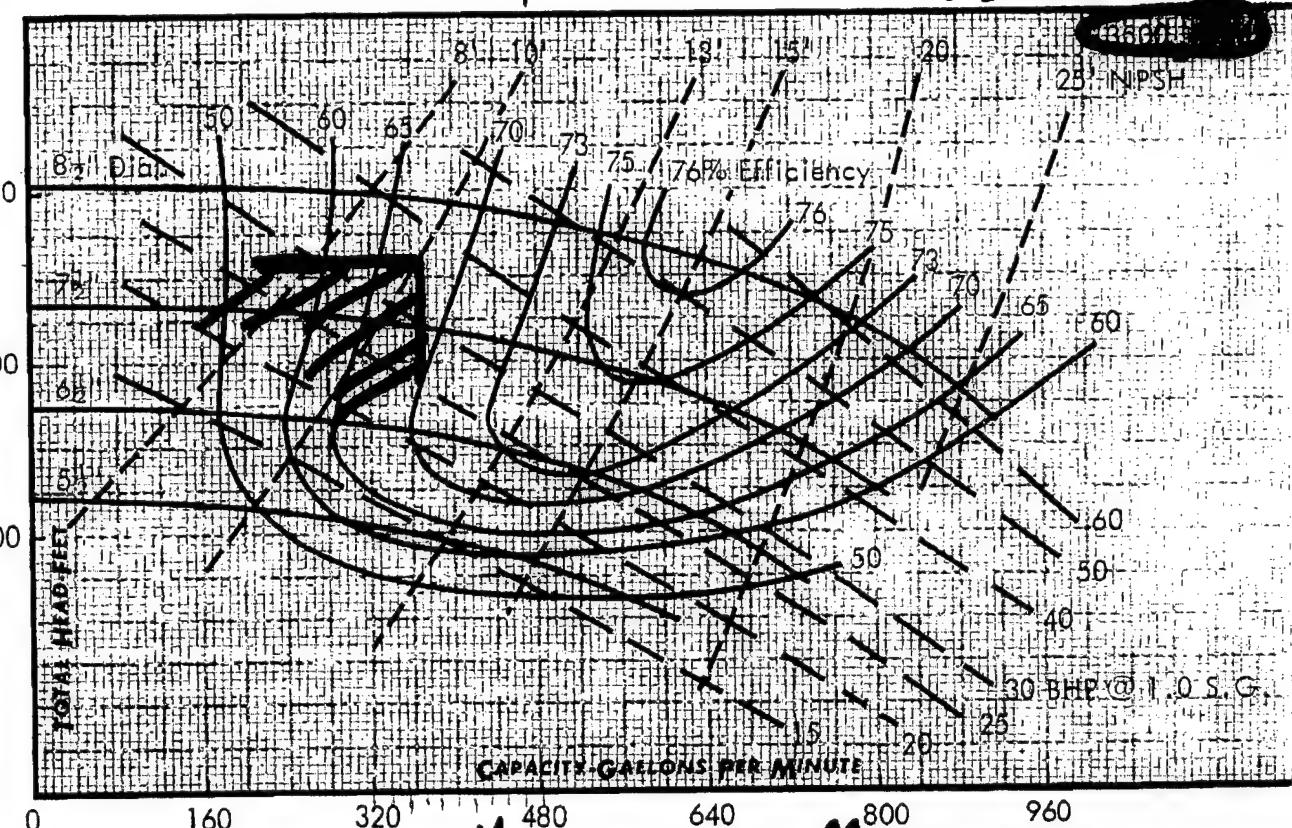
003/004

**CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R 3085-A1**PUMP SIZE: 3" x 4" x 8 $\frac{1}{2}$ "

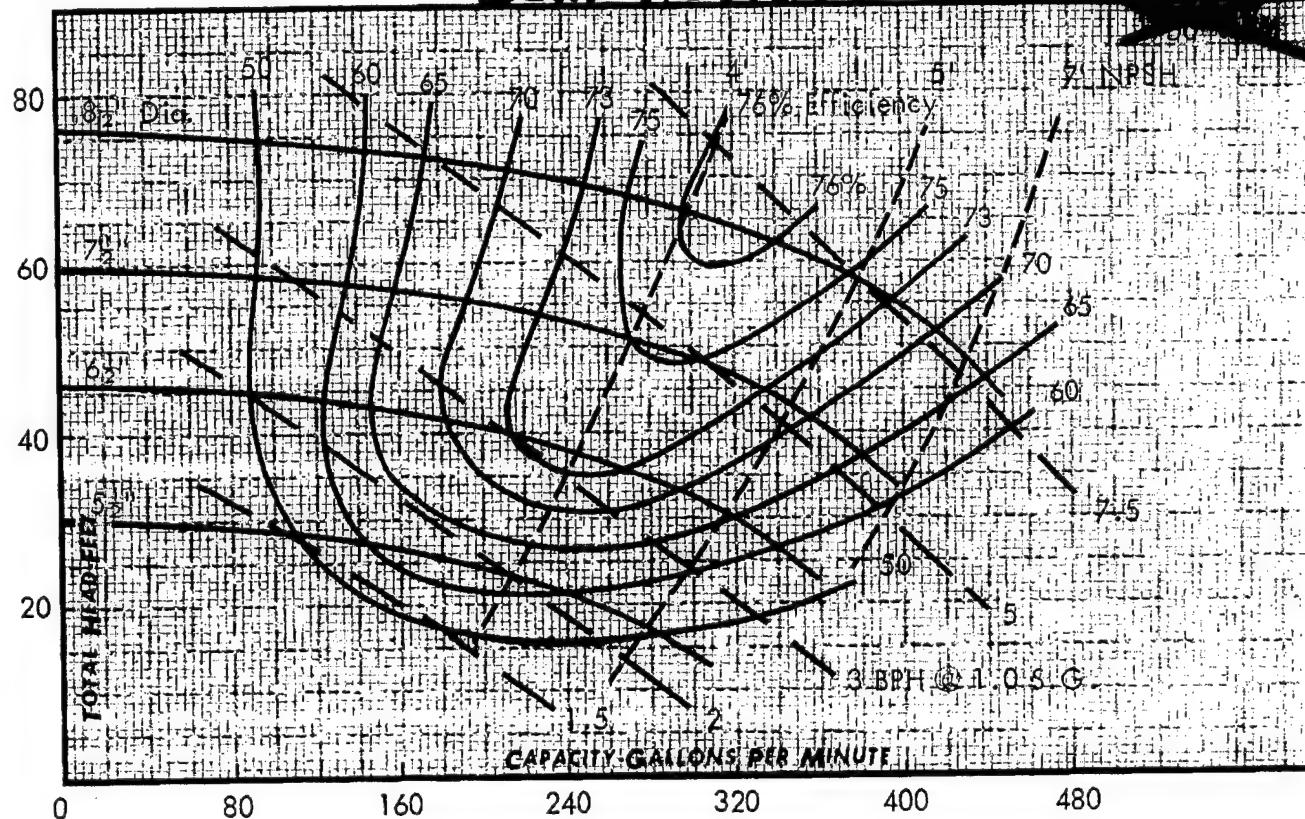
PUMP TYPE: R 434

3" DISCHARGE X 4" SUCTION

**PUMP PERFORMANCE:** This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.



Hawkins - Morrison  
Re. 4932  
Dean Co. 1292, Sept 16, 1965



APPROVED BY

*[Signature]*

DATE ISSUED 7/6/65

CURVE R 3085-A1

**RSH**

## Telephone Call Confirmation

Project Number 694 <sup>1331</sup> ~~262~~ 002Local \_\_\_\_\_ L.D. Placed \_\_\_\_\_ Rec'd \_\_\_\_\_ Date 11-21-95B.Todd  
Conversed with Randy Parks or Ft. Stewart CEPRegarding Start-up of the Satellite Energy Plant

They began start-up of the SEP on Monday (11/13/95).

A leak was discovered in a cascade "manhole" so the SEP was shut down while repairs were made. After starting the SEP again, another leak was discovered (a nipple at the SEP), and the SEP shut down again. Randy thinks (hopes) the SEP will be operational by next Monday (11/27/95).

Randy said they typically find about 2 leaks each year during the SEP start-up.

Distribution:

**RSH**

Telephone Call Confirmation

912 - 767 - 8931

Project Number 694 1331 002

Local \_\_\_\_\_ L.D. Placed \_\_\_\_\_ Rec'd \_\_\_\_\_ Date 8-14-95

B.Todd  
Conversed with Randy Parks of Ft. Stewart CEP

Regarding Makeup water for the satellite energy plant (SEP)

The chillers at the SEP are not used so there is no make up water for the ~~the~~ CHW system.

The make up water for the SEP HTW distribution system comes from the CEP. There is no direct make up water system at the SEP. The water level in the cascade heaters is checked a few times each day. When the water level gets too low the CEP operators use the HTW return pipe to "back fill" the cascade heaters.

Distribution:

**RS&H**

SUBJECT SEP Pumps

AEP NO \_\_\_\_\_

DESIGNER \_\_\_\_\_

SHEET \_\_\_\_\_ OF \_\_\_\_\_

CHECKER \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

SEP PUMP DATA

SOUTH PUMP - NEEDS INSULATION

MFG/R - DEAN BROS

FRAME

MOTOR

SIZE - 4X6X10 1 R454

HP

125

SER.NO. 142716

VOLT

230/460

FLOW 885 gpm

Amps

284/142

HEAD 300 FT

S.F.

1.15

SPEED 3500 RPM

SPEED

3495 RPM

SP.GRAV. 0.859

SPEED REDUCER

MFG/R - PEERLESS

OUTPUT SHAFT SPEED 310 RPM.

PUMP. DISCH PRES. - 210 PSIG

" INLET TEMP. - 380°F

CEP HTI CIRC. PUMPS.

MFG/R - DEAN BROS.

SIZE - 4X6X10 1 R454

SER.NO. 132508

FLOW 910 gpm

HEAD 300 FT

SPEED 3300 RPM

SPEED REDUCER

PEERLES - HYDRO CONSTANT

Pump. DISCH. PRES. 225 psig

SUCT. " 190 psig

TEMP ? °F

**B.4 HTW DISTRIBUTION SYSTEM SURVEY FORMS**

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN DP-1-17/18 AND VP-1-18

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated  Yes;  No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

### Notes:

- Slight steam flow from drain vent in DP-1-17/18.
- Very heavy noise observed on detection equipment.
- Sounds like fluid flow or boiling liquid, a steady rushing sound. Same noise observed with hand held S-20 model leak detector. No peaks found.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-17 AND DP-1-17/18

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 300 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

### Notes:

Same background noise as previous test. No peak found - Check listening equipment on a nearby fire hydrant - they were working properly.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-16 AND VP-1-17

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A

### Notes:

There is a pin hole leak in a joint weld where  
the HTW pipe enters VP-1-16. No leak detected  
by the equipment. Same heavy background noise.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN UP-1-15 AND UP-1-16

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-14 AND VP-1-15

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 6 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes;        No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters       ; Hydrants       ; Valves ✓; Test Rods       ; Other       

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-13 AND DP-1-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 250 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-9 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes;        No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters       ; Hydrants       ; Valves ✓; Test Rods       ; Other       

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

### Notes:

Same background noise, no leak detected.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-8 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 700 Feet or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A
	-		

Notes:

Same background noise, no leaks detected.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE I BETWEEN VP-1-7 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 1020 Feet or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leaks detected.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 2 BETWEEN VP-2N-8 AND VP-2N-9

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 1/2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380  $^{\circ}\text{F}$  or  $^{\circ}\text{C}$

Insulated ✓ Yes; \_\_\_\_\_ No

Distance Between Listening Points 300 Feet or Meters

Listening Points Used:

Meters \_\_\_\_\_; Hydrants \_\_\_\_\_; Valves ✓; Test Rods \_\_\_\_\_; Other \_\_\_\_\_

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Tested here because there were no suspected leaks  
and far from CEP. Still had severe background  
noise.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 3 BETWEEN VP-3-11 AND VP-3-12

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER SUPPLY

Temperature of Fluid 380 ( $^{\circ}\text{F}$ ) or  $^{\circ}\text{C}$

Insulated ✓ Yes;  No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

### Notes:

Clanging noise in this pipe - probably due to water hammer from groundwater coming in contact with the HTW pipe, Probable Conduit leak here.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 3 BETWEEN VP-3-11 AND VP-3-12

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER RETURN

Temperature of Fluid 380  $^{\circ}\text{F}$  or  $^{\circ}\text{C}$

Insulated ✓ Yes;  No

Distance Between Listening Points 500 Feet or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A
			-

Notes:

About 1 to 2 GPM of groundwater is leaking into VP-3-11 from around conduits.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed SEP ZONE BETWEEN VP-S-12 AND VP-S-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 3 inches

Type of Fluid HIGH TEMPERATURE WATER SUPPLY

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 800 Feet or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	PEAK	620'-660' from VP-S-12
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

### Notes:

There is a pin hole leak in the pipe joint in VP-S-12. Slight steam flow from conduit vent in VP-S-13. Heavy background noise, did not detect visible pinhole leak, peak found during one scan was not repeatable.

## LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed SEP ZONE BETWEEN VP-S-12 AND VP-S-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 3 inches

Type of Fluid HIGH TEMPERATURE WATER RETURN

Temperature of Fluid 380 ( $^{\circ}$ F) or  $^{\circ}$ C

Insulated ✓ Yes;    No

Distance Between Listening Points 800 (Feet) or Meters

Listening Points Used:

Meters   ; Hydrants   ; Valves ✓; Test Rods   ; Other   

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
-			

Notes:

Heavy background noise, points scattered, no peak.